Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/13/2019 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124949	-1	2.08	125039	2.08
Blue	F	SSC	125000	125022	0	1.60	125825	1.62
Blue	E	FITC	16433	16020	-3	2.63	349	19.01
Blue	D	PE	27595	27270	-2	1.80	590	14.26
Blue	B	PerCP-Cy5-5	43183	42378	-2	3.49	1136	19.51
Blue	A	PE-Cy7	31943	31678	-1	5.93	601	40.20
Red	C	APC	42819	42153	-2	2.43	1492	11.87
Red	A	APC-Cy7	31261	30199	-4	2.27	803	11.79
Violet	B	V450	6527	6305	-4	4.36	352	13.14
Violet	A	V500	24533	23540	-5	4.03	549	10.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17968	11.22	609	9	N/A	N/A	Pass
Blue	F	SSC	56875	1.10	548	0	N/A	N/A	Pass
Blue	E	FITC	64	62.06	538	-1	0.0230	153	Pass
Blue	D	PE	124	48.23	535	1	0.1779	275	Pass
Blue	B	PerCP-Cy5-5	209	47.66	645	3	0.0099	49	Pass
Blue	A	PE-Cy7	113	95.59	693	4	0.0111	5	Pass
Red	C	APC	355	24.71	578	-5	0.0256	146	Pass
Red	A	APC-Cy7	177	27.68	557	-6	0.0056	620	Pass
Violet	B	V450	53	59.30	450	-5	0.0508	1934	Pass
Violet	A	V500	82	33.14	461	-6	0.0223	668	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.44	-32.24	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.19	13.60 - 20.40	N/A	N/A	30.02	30.34	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10935

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments